Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No: 1ST & Final Bill (For Other Works) Date.....2020

Division: **Project** Sub-Division: **Project**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Work Code: 009-20-000038

Schedule Docket No. Head of Account: **P0190(Work Sanctioned by Honble Mayor)** Est.Cost: **50.50 lakhs**

Name of Work: **"Providing of Water supply UGD Security Room and other Developmental works to Vidyaranyapur Swimming Pool in ward no 09 Vidyaranyapura**

Name of Contractor and Full Address: **Sri D.K.Nagaraj, (Prop of DKN & Associates)**

Reference to Agreement No.EE/Project/AG No **/134/2019-20 Date:13-12-2019**

Reference to Work Order No.EE(Project)/W.O/**134/2019-20 Date:13-12-2019**

Certified that the measurements were taken by me on 26/02/20. and recorded of Pages 22110 to 117 of measuremen Book No. 12/18-19 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 26/2/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of th work and the contractor has not previously received any advance on this security. These materials are of and imperishabl nature and are all required for immediate use on the work in connection with items for finished work have been agree upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer / Sub-Division Officer
Project Division
Yelahanka Zone
Bangalore

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Gross:	52,91,605 = ₹
2) Deduct amount to be held in reserve being .....percent Rs.....	1% IT:	52,916 = ₹
3) " Balance	1% CESS:	52,916 = ₹
4) Deduct Payment:	0.1% LBC:	5,292 = ₹
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of Payments cost store or other material supplied. Now made recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	1% CGST:	47,247 = ₹
	1% SGST:	47,247 = ₹
	AR:	34,854 = ₹
5) Balance being unpaid value of work done held in reserve.	TD	2,40,472 = ₹
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Payable:	50,51,133 = ₹
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -		

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness
1.
2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Audited & Admitted for Rs.....
Rs. 52,91,605/-
.....
.....Executive Engineer
Rs. 50,51,133/- by Cheque
and Rs. 2,40,472/- by Adjustment

Accts. Super. 27/3/2020
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P

BHRUHAT BENGALURU MAHANAGAR PALIKE

ABSTRACT

Name of the Work. Providing of Water supply UGD Security Room and other Developmental works to Vidyaranyapura Swimming Po`ol in ward no 09 Vidyaranyapura

Sl No	Description of work	Unit	As Per Approved Schedule-B	Present			Upto-date	
			Qty	Qnty	Rate	Amount	Qnty	Amount
1	Earth work excavation for foundation of structures by mechanical means as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising / transporting the remaining earth locally upto 1.00km lead. (Depth upto 3.00 Mts) - Marshy soil	Cum	355.90	355.90	360.00	128,124.00	355.90	128,124.00
2	KSRB 2.6 Providing and filling sand in foundtion to requeried depth to sub soil treatment including watering ,ramming with lead and lift complete as per specification	Sqm	37.05	37.05	2,700.00	100,035.00	37.05	100,035.00
3	KSRB 2.5 Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in all layers not exceeding 20cms in depth compacting each deposited layer by ramming after watering with all lead left including cost of all labour complete as per specification	Cum	236.60	236.60	450.00	106,470.00	236.60	106,470.00
4	KSRB 17.1 and 17.2 Transportation of excavated earth by mechanical means including loading and unloading with a lead of 20 kmtr and dispersing the same as directed.including all lead and lift complete as per the direction of engineer in charge	Cum	355.90	355.90	72.00	25,624.80	355.90	25,624.80
5	KSRB 2.8 Providing and filling in foundation with granite / trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specification. including all lead and lift complete as per the direction of engineer in charge	Cum	74.10	74.10	2,700.00	200,070.00	74.10	200,070.00

Sl No	Description of work	Unit	As Per Approved Schedule-B	Present			Upto-date	
			Qty	Qnty	Rate	Amount	Qnty	Amount
6	KSRB 4.1.2 Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.including all lead and lift complete as per the direction of engineer in charge	Cum	35.25	35.25	5,700.00	200,925.00	35.25	200,925.00
7	KSRB 4.2.2 Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M-20 for RCC Works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing main and secondary beams with all lead and lifts etc. compelte (exclusive of cost of steel and fabrication charges) including all lead and lift complete as per the direction of engineer in charge	Cum	37.05	37.05	6,300.00	233,415.00	37.05	233,415.00
8	KSRB 4.2.7Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixedf concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(excluisive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25(for Side Walls and Bottom) including all lead and lift complete as per the direction of engineer in charge	Cum	28.20	28.20	6,700.00	188940.00 188,953.40	28.20	188940.00 188,953.40
9	KSRB 4.6.4 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as Walls at any thickness, incluidng attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specfiications. including all lead and lift complete as per the direction of engineer in charge	Sqm	84.00	84.00	400.00	33,600.00	84.00	33,600.00
10	KSRB 4.6.5Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge. including all lead and lift complete as per the direction of engineer in charge	Sqm	44.64	44.64	400.00	17,856.00	44.64	17,856.00

Sl No	Description of work	Unit	As Per Approved Schedule-B	Present			Upto-date	
			Qty	Qnty	Rate	Amount	Qnty	Amount
11	KSRB 4.6.7 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressuemers and lintles exceeding 1 m in depth incluidng cost of all materials, labour complete as per specifications. including all lead and lift complete as per the direction of engineer in charge	Sqm	14.00	14.00	450.00	6,300.00	14.00	6,300.00
12	KSRB 4.6.3 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.50m from Ground level including all lead and lift complete as per the direction of engineer in charge	Sqm	36.00	36.00	500.00	18,000.00	36.00	18,000.00
13	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. including all lead and lift complete as per the direction of engineer in charge	Sqm	117.60	117.60	750.00	88,200.00	117.60	88,200.00
14	KSRB 15.3 Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as eper spec ifications including all lead and lift complete as per the direction of engineer in charge	Sqm	70.00	60.48	350.00	21,168.00	60.48	21,168.00
15	KSRB 15.4 Extra for providing and mixing Waterproofing compound in cement plaster work at one kg per bag or in the proportion recomended by the manufacturers, for cement mortar 1:3, 12mm thick cost of materials complete as per specifications.including all lead and lift complete as per the direction of engineer in charge	Sqm	130.48	130.48	270.00	35,229.60	130.48	35,229.60

Sl No	Description of work	Unit	As Per Approved Schedule-B	Present			Upto-date	
			Qty	Qnty	Rate	Amount	Qnty	Amount
16	KSRB15.3 Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.For Outside Plastering including all lead and lift complete as per the direction of engineer in charge	Sqm	60.48	60.48	290.00	17,539.20	60.48	17,539.20
17	KSRB 15.3.Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to to brick masonry ncluding rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials,labour, curing complete as per specifications. .including all lead and lift complete as per the direction of engineer in charge	Sqm	39.60	39.60	250.00	9,900.00	39.60	9,900.00
18	KSRB 14.7.1 Providing and laying M-15 cement concrete flooring, 60mm thick with metallic concrete hardner topping under layer of 45mm thick M-15 cement concrete using broken granite metal of 20mm and down size, and top layer 15mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt), including finishing cost of materials, labour, curing complete as per specifications. including all lead and lift complete as per the direction of engineer in charge	Sqm	12.00	12.00	270.00	3,240.00	12.00	3,240.00
19	KSRB 14.61Providing and laying Flooring using pre polished water cut/gang saw 19mm thick grey granite laid over bed of 20mm thick 1:4 cm and jointed with neat cement slutty mixed with pigment to match shade of granite slabs including laying POP on finished surfaqce and cleaning the surface including the cost of all m,aterials and laboutsd etc. complete as per specifications. including all lead and lift complete as per the direction of engineer in charge	Sqm	547.35	547.35	2,300.00	1,258,914.20	547.35	1,258,914.20

Sl No	Description of work	Unit	As Per Approved Schedule-B	Present			Upto-date	
			Qty	Qnty	Rate	Amount	Qnty	Amount
20	Providing ACE paint to external walls of approved colour and shade over prime's coat.after brooming & cleaning the surface and applying two coats of ACE paint with cost of all material,labour,lead lift with loading unloading etc.complete as per direction of Engineer in charge of work.(Approved rates) including all lead and lift complete as per the direction of engineer in charge	Sqm	60.48	60.48	160.00	9,676.80	60.48	9,676.80
21	KSRB.15.106 Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers including cost of all materials cost oif labour and scaffolding etc complete as per the specifications including all lead and lift complete as per the direction of engineer in charge	Sqm	39.60	39.60	100.00	3,960.00	39.60	3,960.00
22	KSRB15.15.1.1 Providing and applying painting in two coats with plastic Emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge.with primer.including all lead and lift complete as per the direction of engineer in charge	Sqm	39.60	39.60	100.00	3,960.00	39.60	3,960.00
23	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods,or combination of M.S. flats and square rods as per approved design,drawing including cutting steel sections and welding the same torequired pattern with a coat of red lead primer, cost of materials, fixtures,labour and HOM of machinery complete as per specifications	Sqm	914.76	914.76	144.00	131,725.44	914.76	131,725.44
24	KSRB 4.9.2 Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500 including all lead and lift complete as per the direction of engineer in charge	Tonne	2.56	2.56	81,000.00	207,360.00	2.56	207,360.00

Sl No	Description of work	Unit	As Per Approved Schedule-B	Present			Upto-date	
			Qty	Qnty	Rate	Amount	Qnty	Amount
25	KSRB 5.14 Providing and constructing precast concrete Solid Blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size 40x15x20cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications. including all lead and lift complete as per the direction of engineer in charge KBS 5.4	Sqm	37.95	37.95	1,050.00	39,847.50	37.95	39,847.50
26	KSRB 7.26 Supplying and fixing Pressed steel door frames size 125x65mmmanufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door oprnings abd shutter made out of seasoned honned wood style of 30mm thick with rail of 160mm width top and side rails of 250mm width panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide rasin and the shutter be root proof1 heat resistant guaranted against shrinkage warpage and such other defects for a period of 3years .This shall be as per approved drawings and specification and direction including cost of conveyance manufacturing ,painting with enamel paints 2 coats of over prime coat cost of labour for all items of works ,machinery equipment and all other incidental charges with lead ,lift loading and unloading etc .The Hollow portion of the frame to be filled to be filled with cement concrete	Sqm	18.24	18.24	3,500.00	63,840.00	18.24	63,840.00
27	supply portable water for intial filling of main pool and baby pool ,balancing tank	ltr	4,000,000.00	4,000,000.00	0.10	400,000.00	4,000,000.00	400,000.00
28	supply of imporated chlorine granul for intial prepration and super chlorination and maintanance for one month	kgs	400.00	400.00	200.00	80,000.00	400.00	80,000.00
29	KSRB 37.2 Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)	Sqm	18.00	18.00	950.00	17,100.00	18.00	17,100.00

Sl No	Description of work	Unit	As Per Approved Schedule-B	Present			Upto-date	
			Qty	Qnty	Rate	Amount	Qnty	Amount
30	KSRB 37. 3 Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Sqm	16.00	16.00	800.00	12,800.00	16.00	12,800.00
31	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint	Sqm	16.00	16.00	450.00	7,200.00	16.00	7,200.00
32	Submersible pump for sump Tank Mano black pump 2HP Item no 21 Page XLIII	Each	3.00	3.00	19,000.00	57,000.00	3.00	57,000.00
33	KSRB 13.876 Providing & fixing Chorinated Poly Venyl(CPVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete.including all lead and lift complete as per the direction of engineer in charge 40mmm Dia	Mtr	105.00	105.00	500.00	52,500.00	105.00	52,500.00
34	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-B.3C X 4.0Sq.mm.	Mtr	325.00	325.00	1,025.00	333,125.00	325.00	333,125.00

Sl No	Description of work	Unit	As Per Approved Schedule-B	Present			Upto-date	
			Qty	Qnty	Rate	Amount	Qnty	Amount
35	Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned	No	28.00	28.00	21,700.00	607,600.00	28.00	607,600.00
36	Supplying and fixing of Metal Socket set of 2pole and earth plugs and socket for incorporating SP and TP MCB (Without MCB). The entire plug and socket shall be mounted in a thermoplastic / powder coated metal box & wired Completely. TP & N 30Am .	No	2.00	2.00	1,700.00	3,400.00	2.00	3,400.00
								47,24,605.94
	Total							**4,724,658.94**
	GST 12%							**566,959.07**
	Grand Total							**5,291,618.01**

52,91,605.01

Contractor

Asst. Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore